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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>				PE 0305885N: <i>Tactical Cryptologic Activities</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	2.454	1.859	2.764	-	2.764	2.795	2.835	1.877	1.913	Continuing	Continuing
0037: <i>TACT COMBAT OPER SYS</i>	2.454	1.859	2.764	-	2.764	2.795	2.835	1.877	1.913	Continuing	Continuing

A. Mission Description and Budget Item Justification

This is a continuing program that will provide advanced technologies and capabilities to current Electronic Warfare (EW) / Electronic Intelligence (ELINT) System Programs of Record (POR). The program develops concepts of data / information exchange within the Global Information Grid (GIG) as envisioned by Chief of Naval Operations (CNO) and outlined within the FORCEnet concept. To comply with the intent of the GIG, this program addresses compression, transmission, decompression, re-compression and long term storage of targeted data / information without degradation. This program will become an enabler for future capabilities such as remote operation of surface, subsurface, and air EW/ELINT open architecture PORs. A holistic approach to data / information format, processing transmission, and storage will require developments in antenna technology, communications capabilities, operational concepts, and software development.

CONTENTHFLT Maritime Operations Center (MOC): The Maritime Operations Center (MOC) visualization system provides the common operational picture (COP) in support of the commander mission requirements. The system design permits the connection of numerous data feeds at various security classification levels in order to project and adjust the COP as required on multiple output displays electronically.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	2.454	1.859	1.886	-	1.886
Current President's Budget	2.454	1.859	2.764	-	2.764
Total Adjustments	-	-	0.878	-	0.878
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	0.888	-	0.888
• Rate/Misc Adjustments	-	-	-0.010	-	-0.010

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support				R-1 ITEM NOMENCLATURE PE 0305885N: Tactical Cryptologic Activities				PROJECT 0037: TACT COMBAT OPER SYS			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
0037: TACT COMBAT OPER SYS	2.454	1.859	2.764	-	2.764	2.795	2.835	1.877	1.913	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
This is a continuing program that will provide advanced technologies and capabilities to current Electronic Warfare (EW) / Electronic Intelligence (ELINT) System Programs of Record (POR). The program develops concepts of data / information exchange within the Global Information Grid (GIG) as envisioned by Chief of Naval Operations (CNO) and outlined within the FORCEnet concept. To comply with the intent of the GIG, this program addresses compression, transmission, decompression, re-compression and long term storage of targeted data / information without degradation. This program will become an enabler for future capabilities such as remote operation of surface, subsurface, and air EW/ELINT open architecture PORs. A holistic approach to data / information format, processing transmission, and storage will require developments in antenna technology, communications capabilities, operational concepts, and software development.											
CONTENTHFLT Maritime Operations Center (MOC): The Maritime Operations Center (MOC) visualization system provides the common operational picture (COP) in support of the commander mission requirements. The system design permits the connection of numerous data feeds at various security classification levels in order to project and adjust the COP as required on multiple output displays electronically.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: TACT COMBAT OPER SYS								2.454	1.859	2.764	
								Articles: 0	0	0	
FY 2010 Accomplishments: Developed concepts of data/information exchange within the Global Information Grid (GIG) as envisioned by Chief of Naval Operations (CNO) and outlined within the FORCEnet concept.											
FY 2011 Plans: Develop concepts of data/information exchange within the Global Information Grid (GIG) as envisioned by Chief of Naval Operations (CNO) and outlined within the FORCEnet concept.											
FY 2012 Plans: Develop concepts of data/information exchange within the Global Information Grid (GIG) as envisioned by Chief of Naval Operations (CNO) and outlined within the FORCEnet concept.											
Continuation of the Maritime Operations Center (MOC) visualization system. This system will provide the common operational picture (COP) in support of the Commander's mission requirements. The system design permits the connection of numerous											

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0305885N: <i>Tactical Cryptologic Activities</i>	PROJECT 0037: <i>TACT COMBAT OPER SYS</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
data feeds at various security classification levels in order to project and adjust the COP as required on multiple output displays electronically.			
Accomplishments/Planned Programs Subtotals		2.454	1.859
C. Other Program Funding Summary (\$ in Millions) N/A			
D. Acquisition Strategy Not required.			
E. Performance Metrics Provide advanced technologies and capabilities to current Electronic Warfare/Electronic Intelligence System Programs of Record (POR).			